Cytometer Baseline Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/05/2021 10:33 AM
Tube Loaded Manually:	Yes		
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)		

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	PMTV	New Target Value	Old Target Value	Bright Bead %Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV	Dim Bead Median Channel	Dim Bead % Robust CV
Blue	FSC	FSC	569	125000	N/A	2.34	134185	2.34	25123	2.41
Blue	F	SSC	512	125000	N/A	3.98	119172	3.93	55168	2.64
Blue	E	FITC	491	14400	N/A	2.83	331	15.21	60	51.72
Blue	D	PE	487	24713	N/A	2.36	566	10.75	119	37.07
Blue	B	PerCP-Cy5-5	584	31796	N/A	3.53	1054	14.15	195	35.45
Blue	A	PE-Cy7	630	21240	N/A	5.57	569	28.77	114	65.89
Red	C	APC	573	41319	N/A	3.39	1733	11.21	400	23.15
Red	A	APC-Cy7	545	21019	N/A	3.69	791	11.49	178	26.05
Violet	B	V450	456	7305	N/A	3.87	443	12.62	61	62.82
Violet	A	V500	470	28652	N/A	3.40	717	9.97	102	33.28

Detector Settings (Continued)

Laser	Detector	Parameter	Linearity Min Channel	Linearity Max Channel	Slope	Intercept	Electronic Noise Robust SD	Qr	Br
Blue	FSC	FSC	N/A	N/A	0.0040	2.9	N/A	N/A	N/A
Blue	F	SSC	N/A	N/A	6.8789	-13.6	N/A	N/A	N/A
Blue	E	FITC	90	184180	7.3239	-15.6	25.1	0.0427	44
Blue	D	PE	43	237481	7.2656	-15.1	23.1	0.4466	350
Blue	B	PerCP-Cy5-5	135	233213	7.3360	-15.8	25.1	0.0218	108
Blue	A	PE-Cy7	202	232485	7.4427	-16.5	25.1	0.0224	0
Red	C	APC	104	235861	7.3915	-15.8	20.5	0.0297	166
Red	A	APC-Cy7	43	237204	7.4453	-16.1	18.6	0.0065	696
Violet	B	V450	157	240270	7.4038	-15.8	17.1	0.0583	2121
Violet	A	V500	83	246972	7.5689	-15.8	17.9	0.0246	652

Specifications

Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.30	1.05
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.62	15.99 - 23.99	N/A	N/A	29.63	29.98	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 13845

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments

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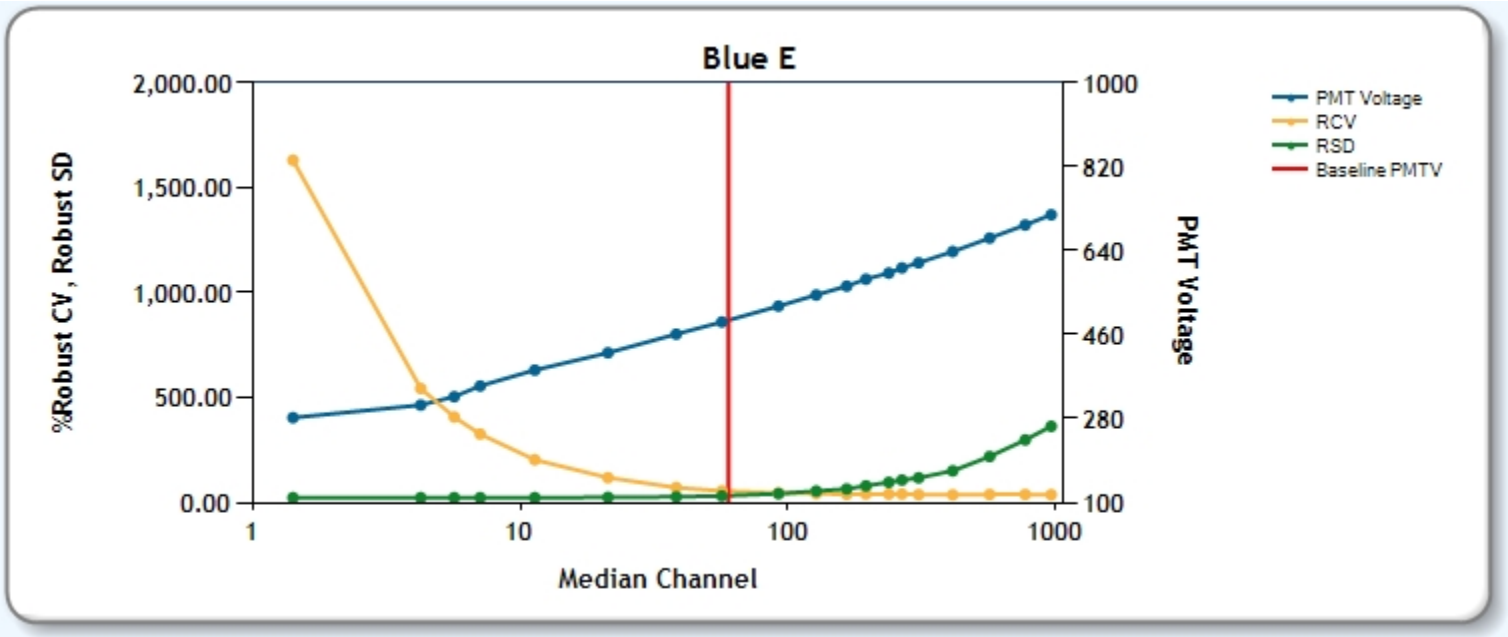
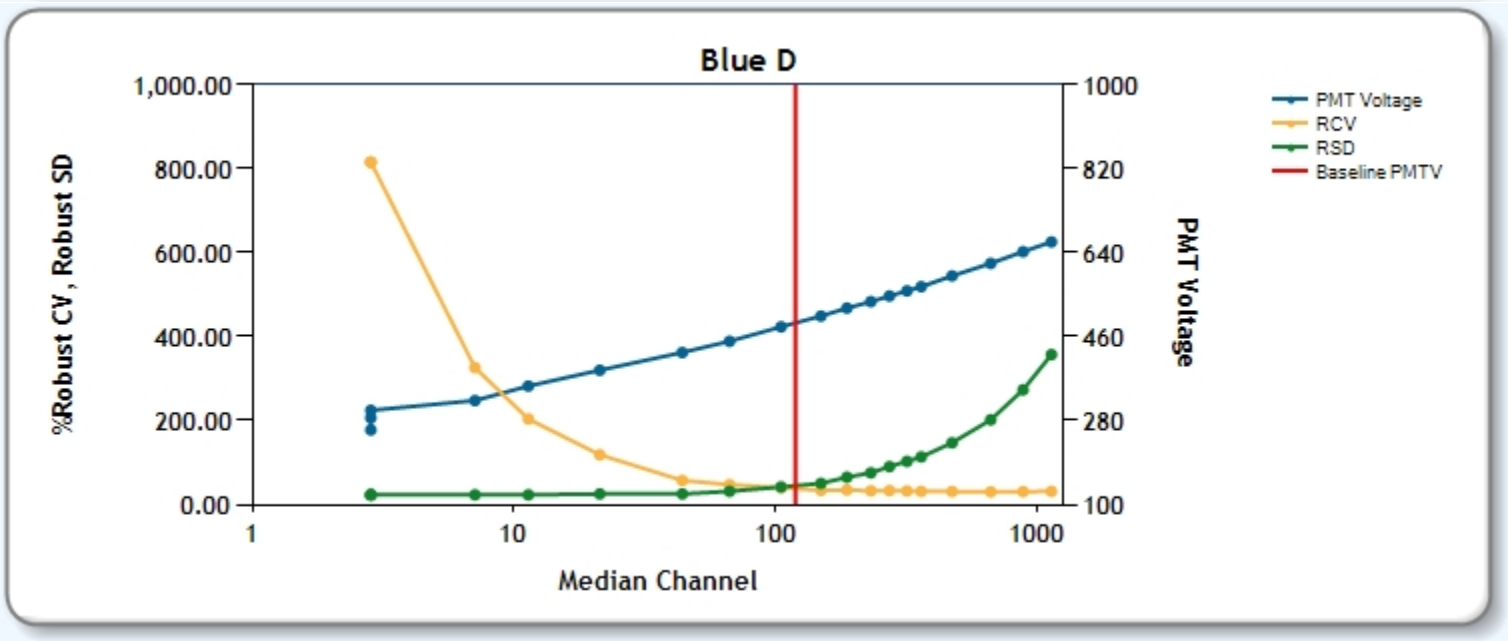
PMTV Optimization Results





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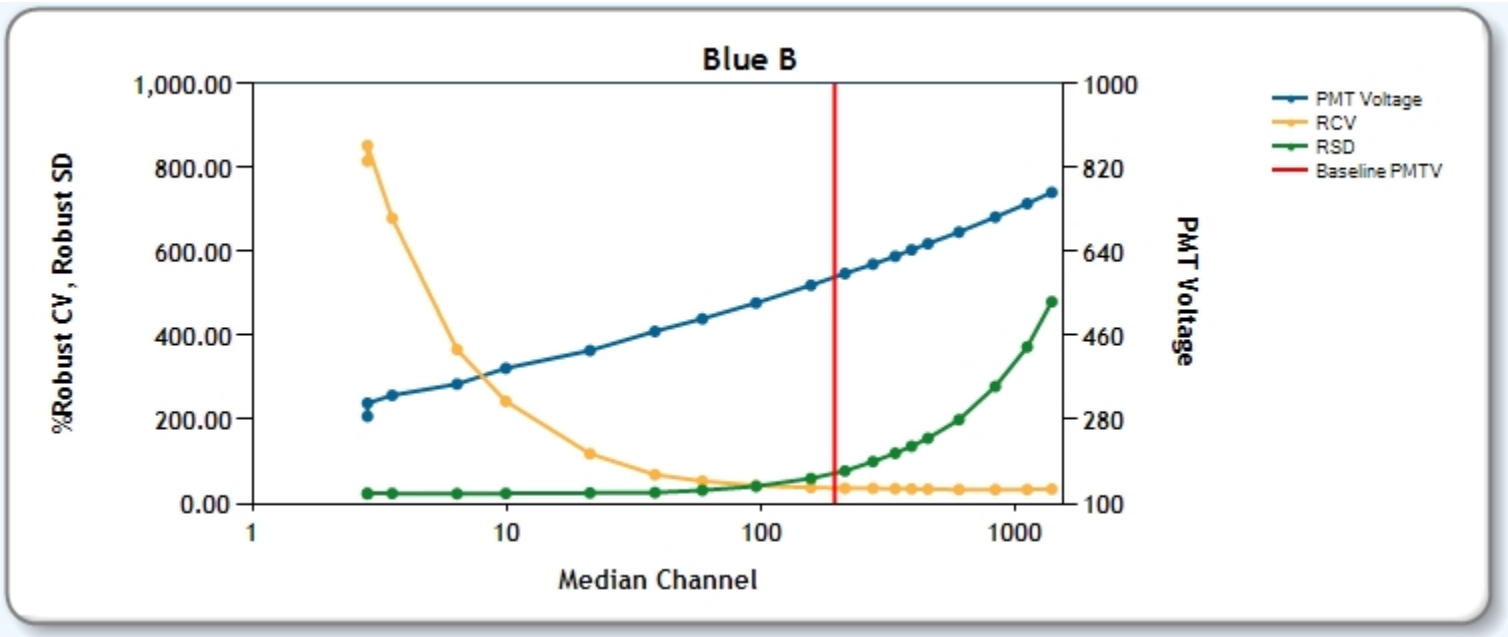

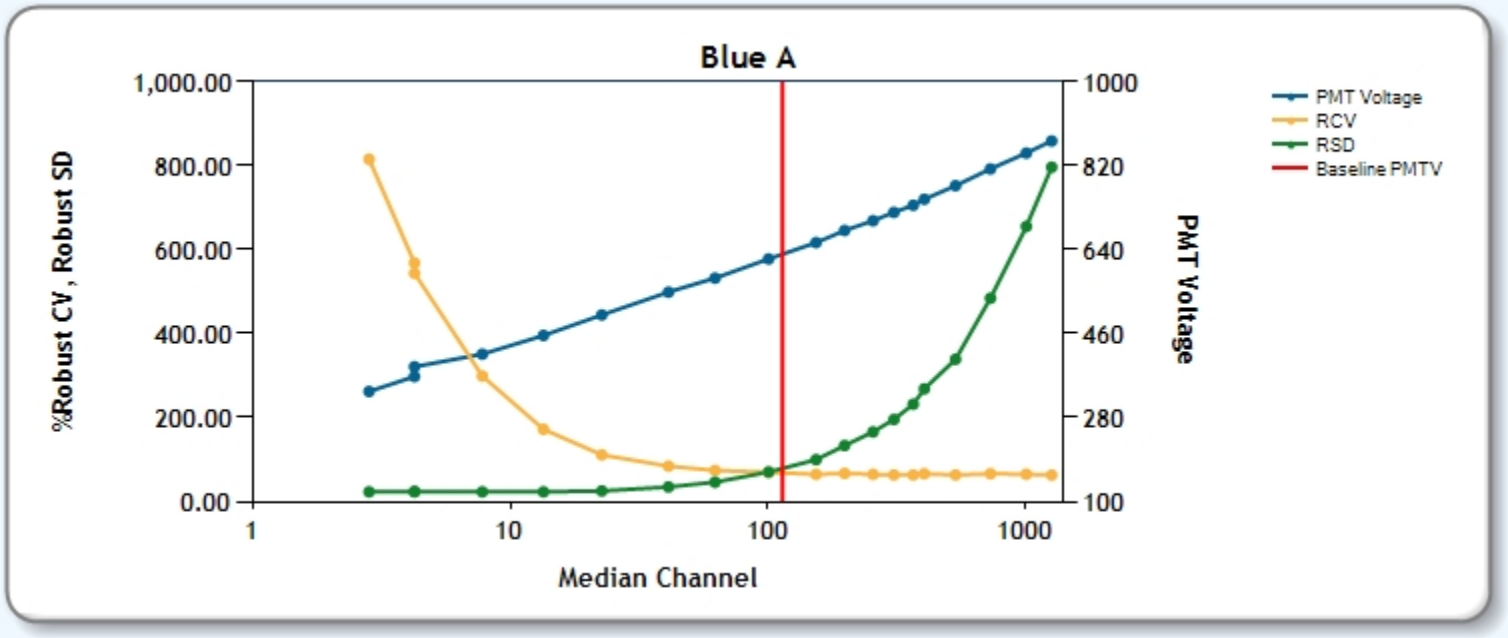

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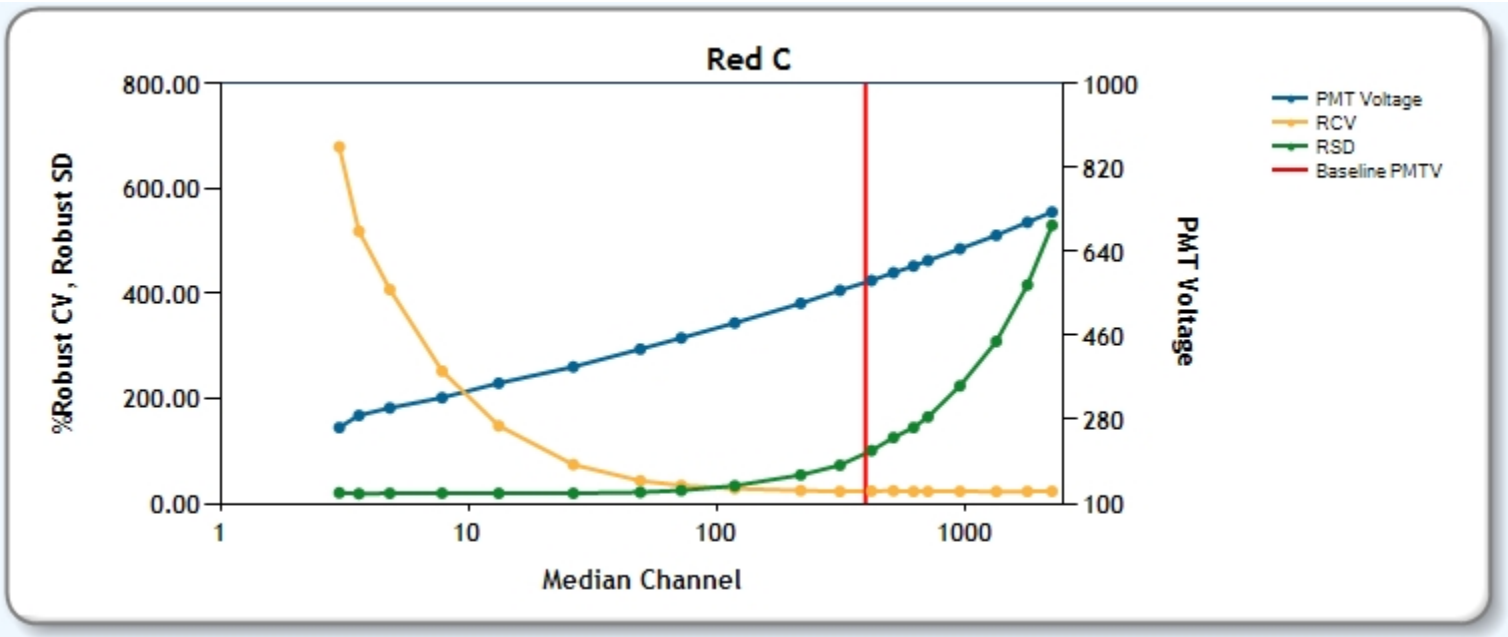

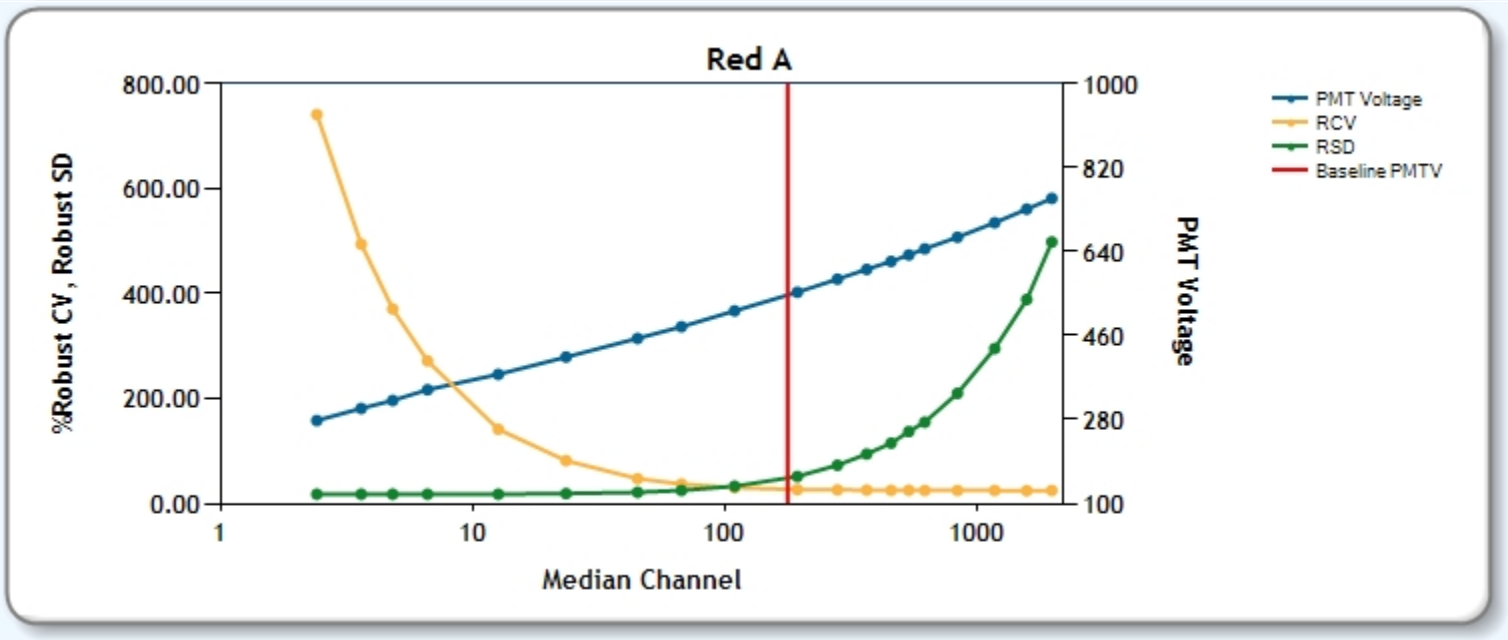

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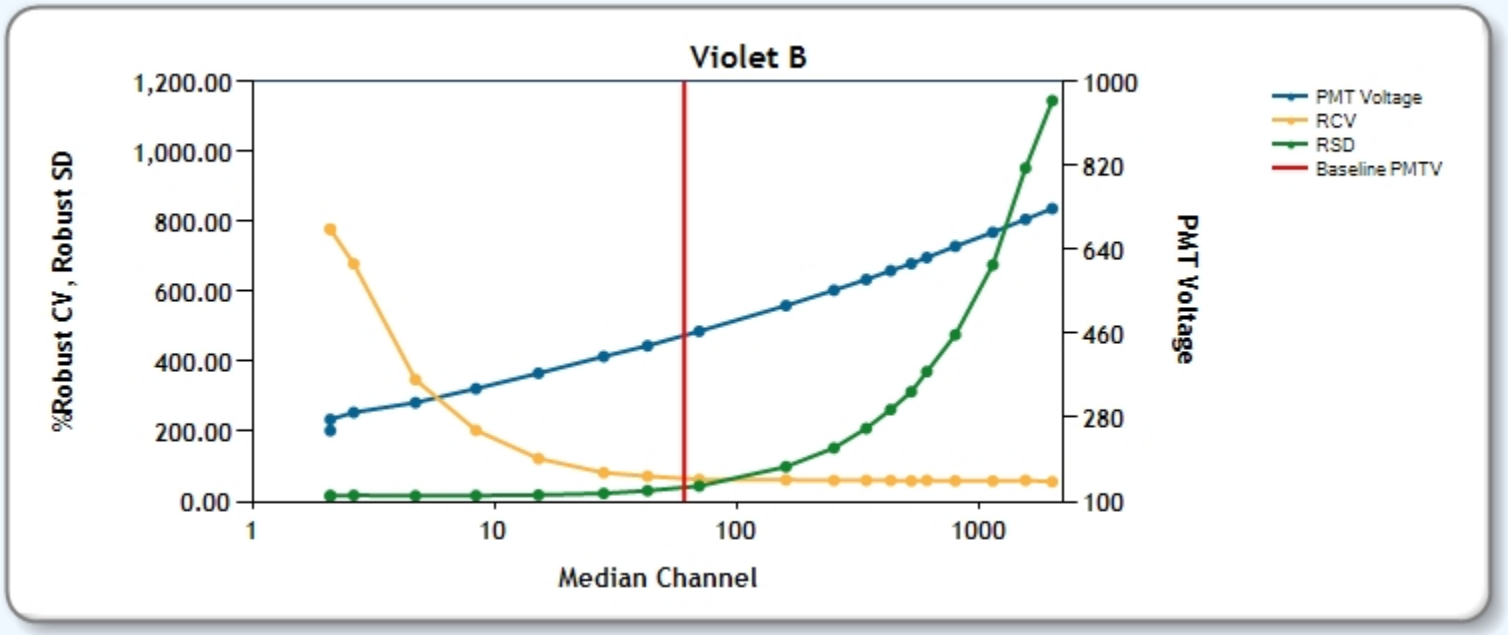

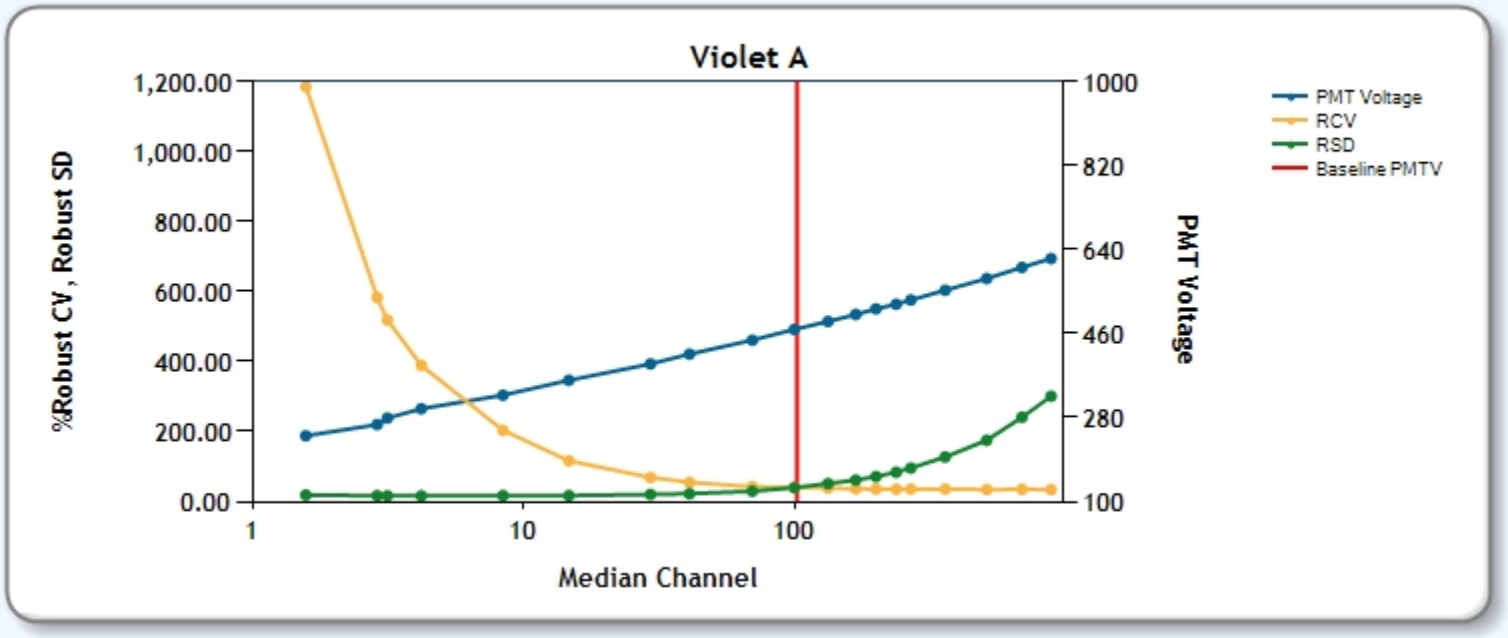

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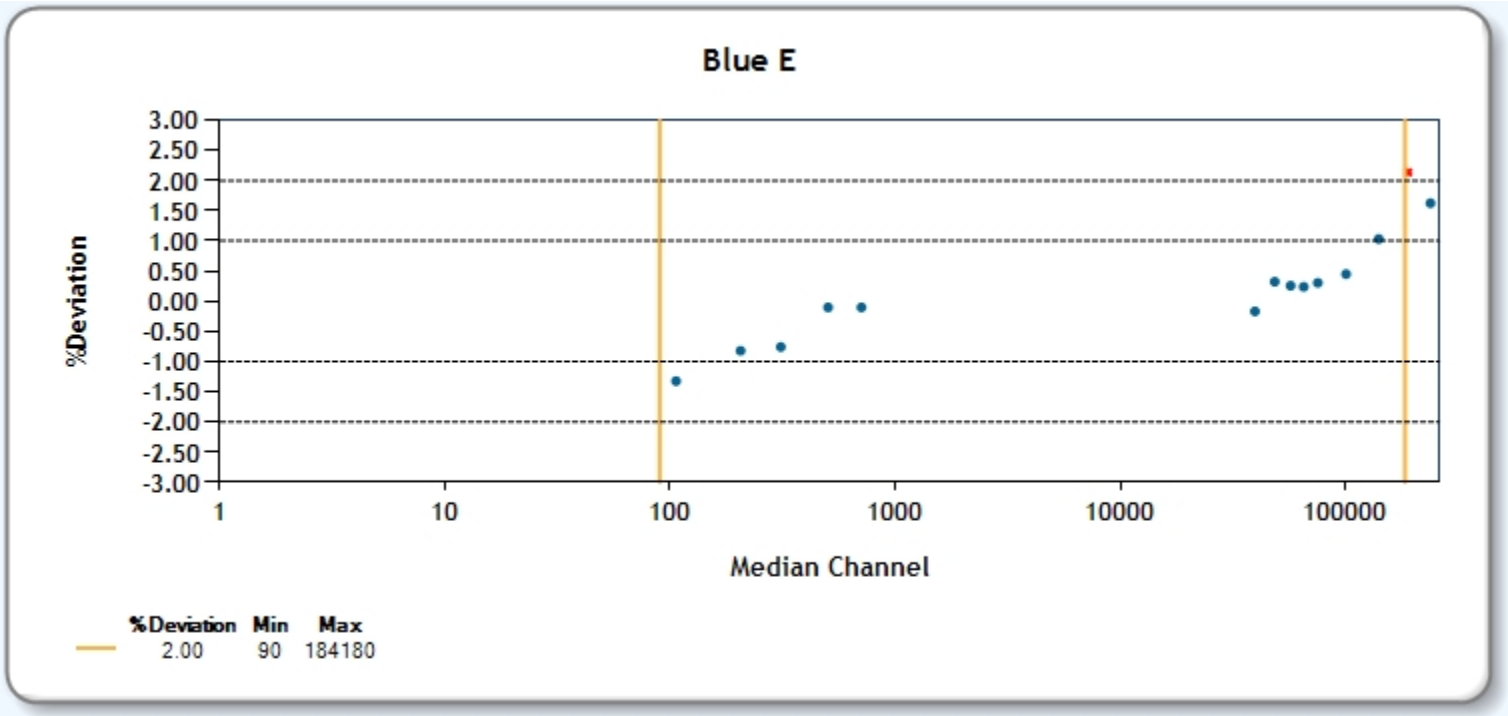
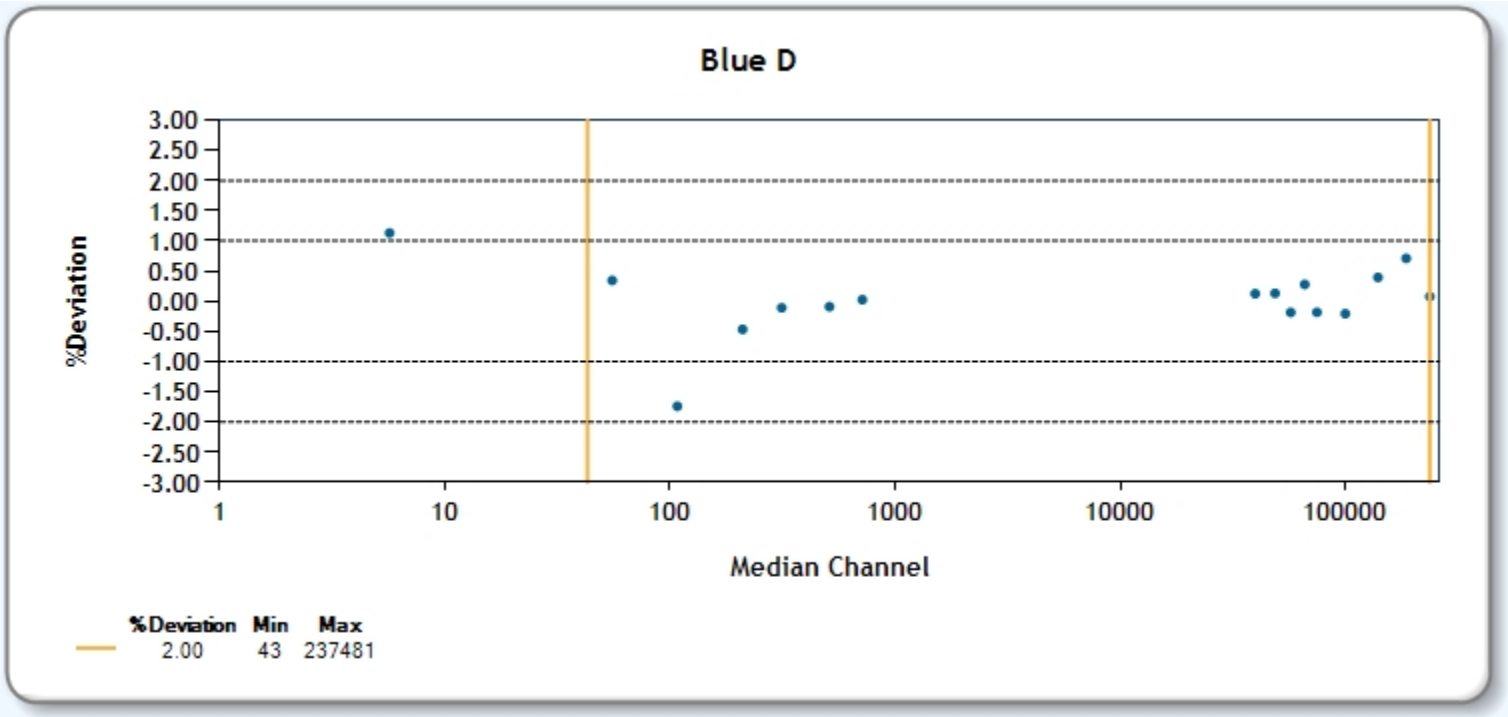
Linearity Results





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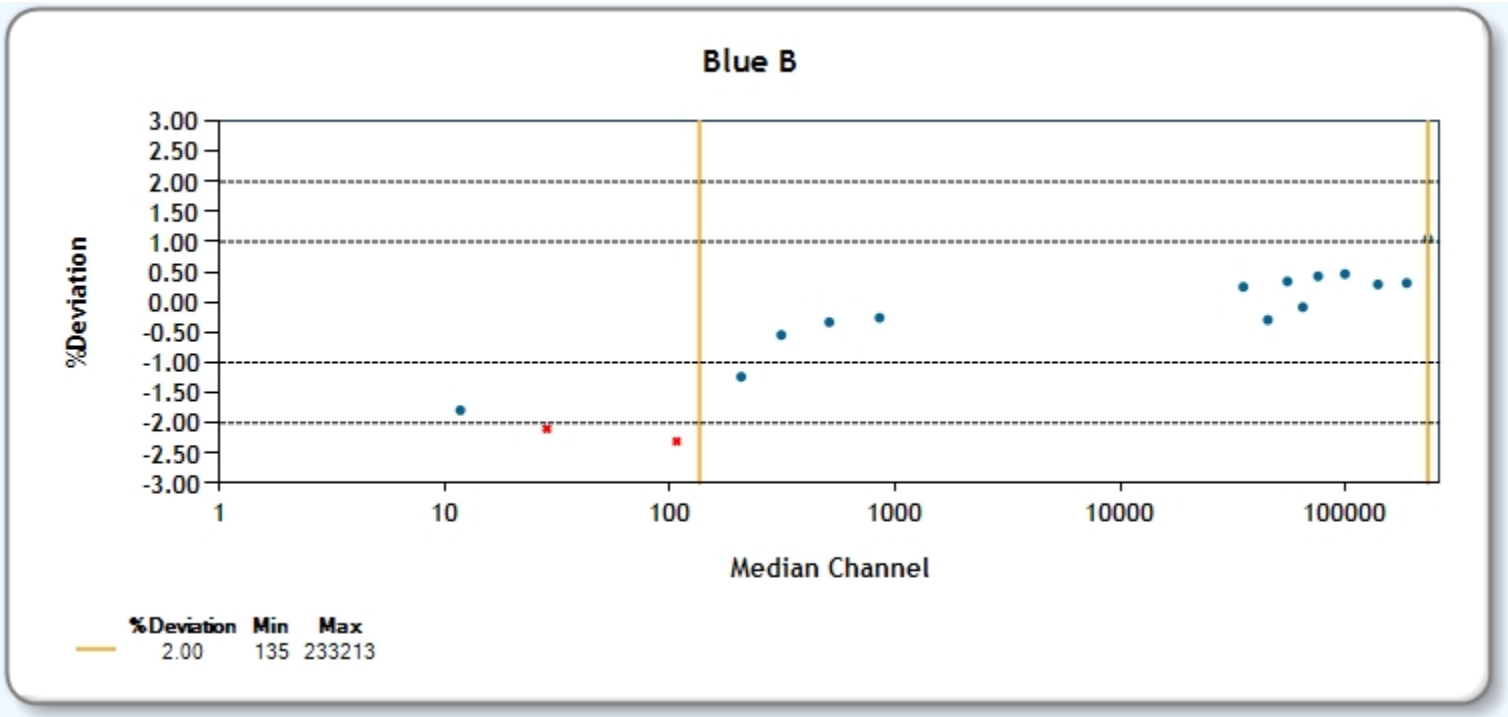

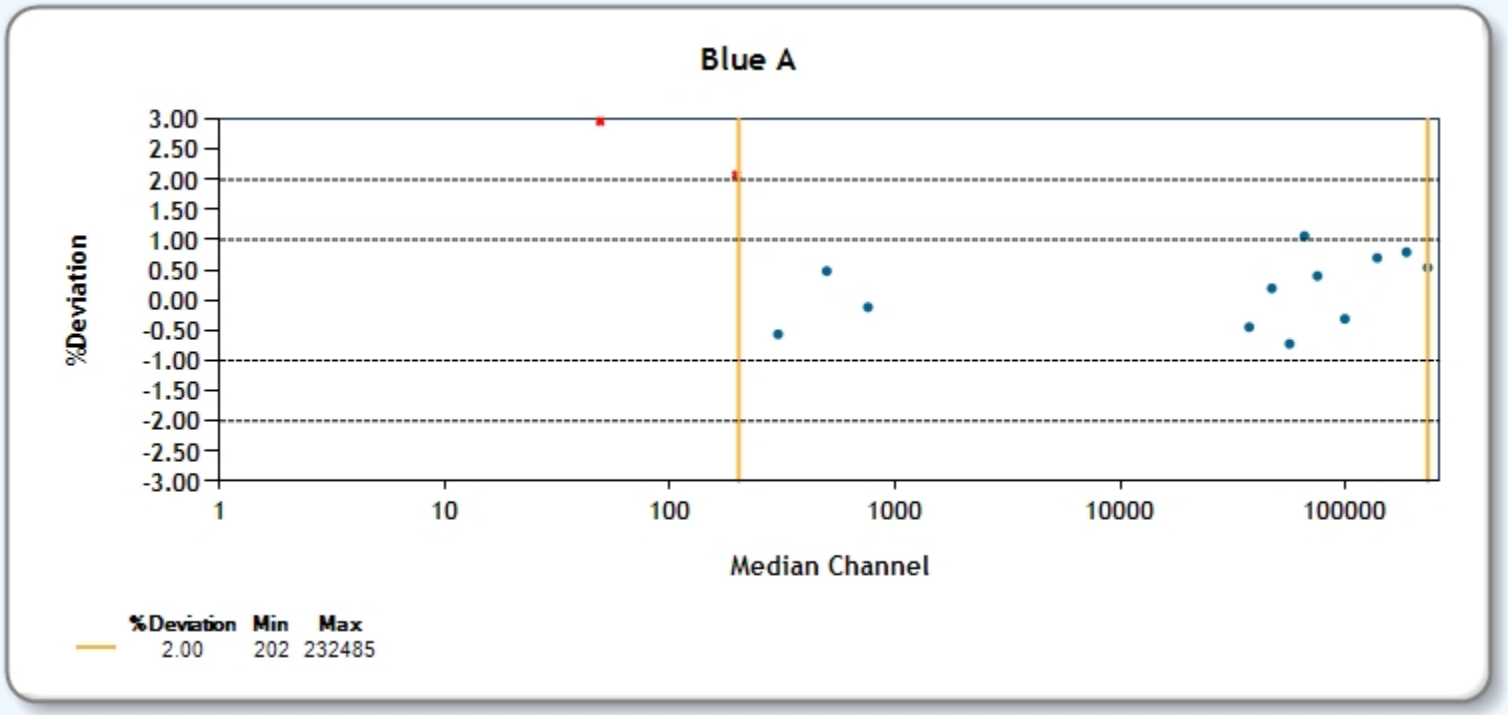

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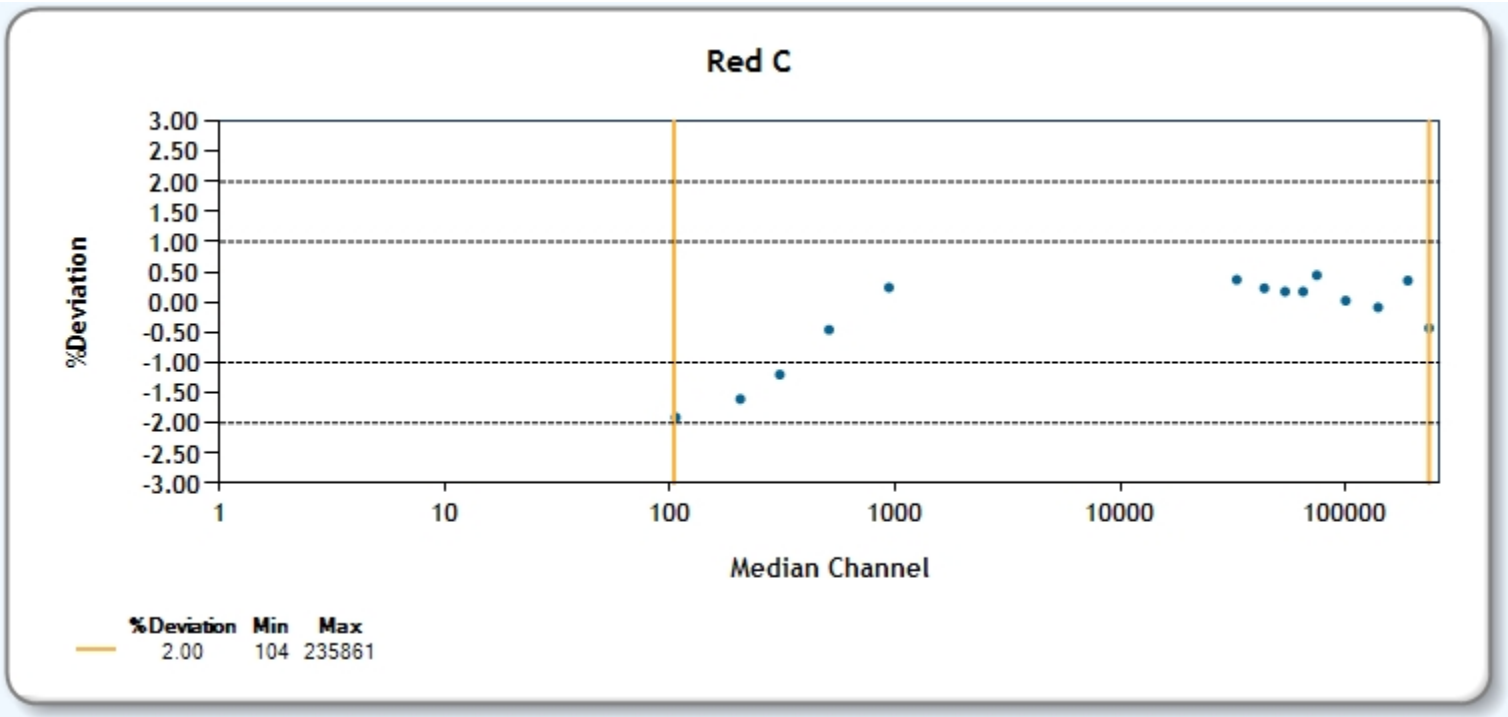

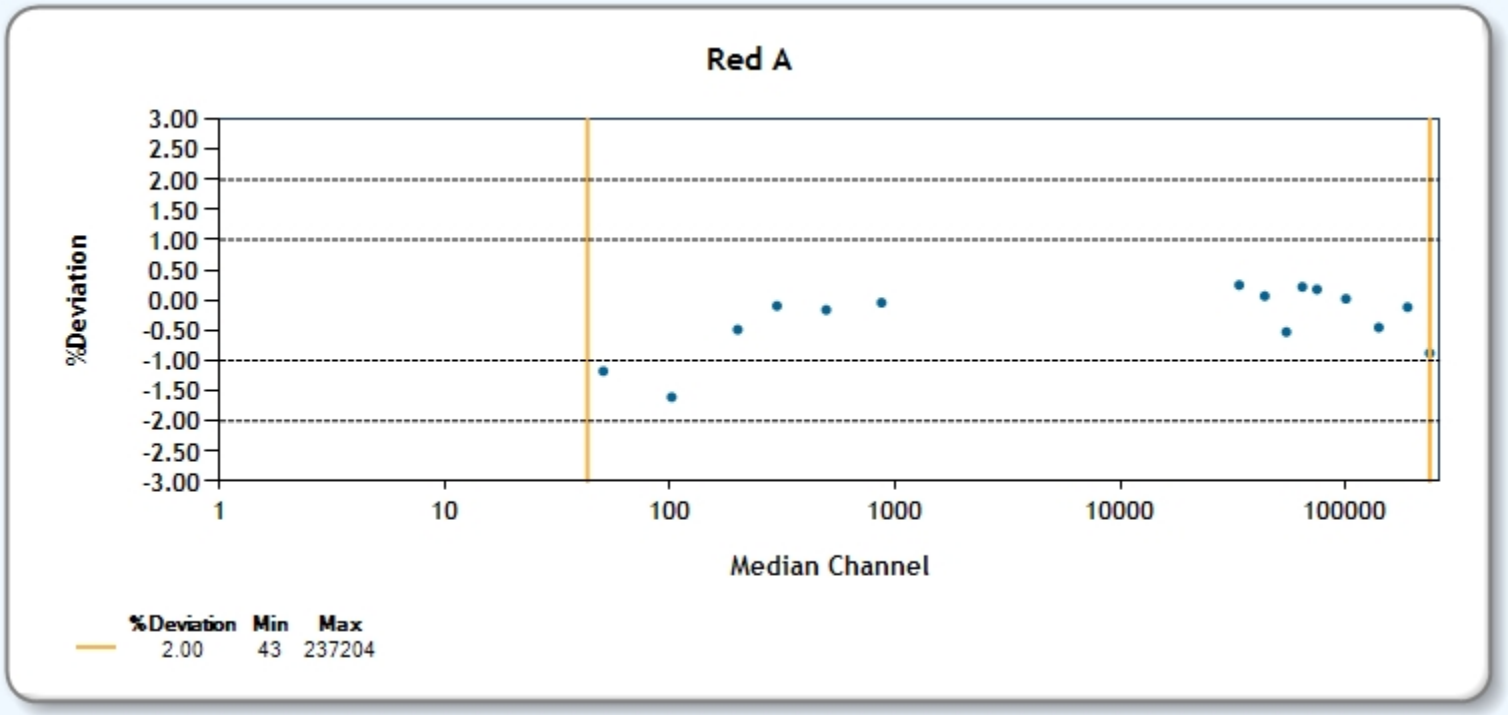

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